

	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		
△	2	RE-5-2935	K.C.J	A.B.H	23.01.11	△							
△						△							
APPLICABLE STANDARD													
RATING	OPERATING TEMPERATURE RANGE		-40℃ ~ 85℃ (NOTE1) △			STORAGE TEMPERATURE RANGE		-10℃ TO 60℃(WITH PACKING) △					
	VOLTAGE		AC 10V			OPERATING OR STORAGE HUMIDITY RANGE		95% MAXIMUM (NON-CONDENSING)					
	CURRENT		0.5A										
SPECIFICATIONS													
ITEM		TEST METHOD				REQUIREMENTS				QT	AT		
CONSTRUCTION													
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT				ACCORDING TO DRAWING				X	X		
MARKING										X	X		
ELECTRICAL CHARACTERISTICS													
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD IEC60512-2-1		OPEN VOLTAGE 20 mV AC MAX TEST CURRENT 1mA				INITIALLY 100mΩ MAXIMUM (NOTE2)				X	-		
INSULATION RESISTANCE IEC60512-3-1		MEASURE WITHIN 1 MINUTE AFTER APPLYING 500V DC				INITIALLY 1000MΩ MINIMUM				X	-		
VOLTAGE PROOF IEC60512-4-1		500Vrms AC IS APPLIED FOR 1 MINUTE				① NO FLASHOVER OR BREAKDOWN ② CURRENT LEAKAGE 1mA MAXIMUM				X	X		
MECHANICAL CHARACTERISTICS													
MECHANICAL OPERATION [OFFICE ENVIRONMENT] EIA364B class 1.1		5,000 TIMES INSERTION AND WITHDRAWAL SHALL BE MADE AT THE CYCLE RATE LESS THAN 10 CYCLES PER 1MINUTE (WITH NOR CARD) NOTE : AFTER EACH 10 CYCLES STOP THE INSERTION AND REST THE CONNECTOR FOR 5 TO 10 MINUTES. CARD SURFACE SHALL BE CLEANED BY AIR BLOW: AT EACH 100 CYCLES INTERVAL(10 TIMES) FROM START TO 1,000 CYCLES. AT EACH 1,000 CYCLES INTERVAL(4 TIMES) FROM 1,001 CYCLES TO 5,000CYCLES.				① CONTACT RESISTANCE: AFTER TEST 50mΩ MAXIMUM CHANGE ② NO MECHANICAL DAMAGE SHALL OCCUR ON THE PARTS.				X	-		
TRAY INSERTION FORCE		MEASURED BY APPLICABLE CARD AT 25± 3mm/min				10N MAX (WITH NORMAL CARD) (NOTE3)				X	-		
TRAY REMOVAL FORCE						3N MAX (WITHOUT CARD) (NOTE3)							
EJECT-BAR PUSH FORCE						4N TO 12N (WITH NORMAL CARD) (NOTE3)							
VIBRATION AND HIGH FREQUENCY IEC60512-6-4		FREQUENCY 10 TO 55 TO 10 Hz/min, SINGLE AMPLITUDE 0.75mm FOR 4h IN X,Y,Z 3 DIRECTIONS, TOTAL 12h				① NO ELECTRICAL DISCONTINUITY OF 1us ② NO MECHANICAL DAMAGE SHALL OCCUR ON THE PARTS.				X	-		
SHOCK IEC60512-6-3		ACCELERATION 490m/s2 STANDARD HOLDING TIME 11ms, SEMI-SINE WAVE FOR 3 TIMES IN 3 DIRECTIONS, TOTAL 18 TIMES.				③ CONTACT RESISTANCE AFTER TEST 50mΩ MAXIMUM CHANGE				X	-		
REFERENCE DRAWING													
REMARKS (NOTE1) : INCLUDE THE TEMPERATURE RISE BY CURRENT (NOTE2) : CONTACT RESISTANCE INCLUDES CONDUCTOR RESISTANCE UNLESS OTHERWISE SPECIFIED. THE TEST SHOULD BE DONE UNDER TEMP 15 TO 35℃. AIR PRESSURE 86 TO 106kPa, RESLATIVE HUMIDITY 25 TO 85%. (NOTE3) : IT MAY BE CHANGED ACCORDING TO THE TRAY/CARD MATERIAL AND DIMENSIONS. (NOTE 4) : DON'T USE CUTTING CARD FROM MICRO SIM OR MINI SIM CARD BY MANUAL.				DRAWN		DESIGNED		CHECKED		APPROVED		RELEASED	
				W.H.LEE 19.06.27		W.H.LEE 19.06.27		W.S.YOON 19.06.27		B.H.AN 19.06.27		<div>ENG 23.01.11 DEPT</div>	
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST													
HIROSE KOREA CO.,LTD.				SPECIFICATION SHEET				PART NO. KP13TJ-SF(800)					
CODE NO.(OLD) CL		DRAWING NO. ELC4-632696				CODE NO. CL 6530-0017-6-800				1 2			

SPECIFICATIONS				
ITEM	TEST METHOD	REQUIREMENTS	QT	AT
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT CYCLE IEC60512-11-12	10 CYCLES(1CYCLE=24HOURS)WITH CONNECTORS ENGAGED. 	① CONTACT RESISTANCE : AFTER TEST 50mΩ MAXIMUM CHANGE ② INSULATION RESISTANCE : AFTER TEST 100MΩ MINIMUM ③ NO MECHANICAL DAMAGE OR HEAVY CORROSION SHALL OCCUR ON THE PARTS.	X	-
RAPID CHANGE OF TEMPERATURE IEC60512-11-4	5 CYCLES(1CYCLE=1HOUR) WITH CARD MATED CONDITION (TEMPERATURE : -55℃ TO 85℃, RELOCATION TIME TO CHAMBER : WITHIN 5MIN)		X	-
DRY HEAT IEC60512-11-9	EXPOSED AT 85℃ FOR 96 HOURS WITH CARD MATED CONDITION		X	-
COLD IEC60512-11-10	EXPOSED AT -40℃ FOR 96 HOURS WITH CARD MATED CONDITION		X	-
DAMP HEAT STEADY STATE IEC60512-11-3	EXPOSED AT 40℃, 90 TO 95%RH, 96 HOURS WITH CARD MATED CONDITION		X	-
CORROSION SALT MIST IEC60068-2-11	EXPOSED AT 35±2℃, 5% SALT WATER SPRAY FOR 48Hr		X	-
RECOMMENDED TEMPERATURE PROFILE	SEE THE FOLLOWING CONDITION, NUMBER OF CYCLE 1 TIME (NOTE5)	NO MECHANICAL DAMAGE OR HEAVY CORROSION SHALL OCCUR ON THE PARTS.	X	-
(NOTE5) 				
REFERENCE DRAWING				
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST				
HIROSE KOREA CO.,LTD.		SPECIFICATION SHEET	PART NO. KP13TJ-SF(800)	
CODE NO.(OLD) CL	DRAWING NO. ELC4-632696	CODE NO. CL 6530-0017-6-800	2/2	